WHAT IS CLAIMED IS:

1. A gypsum board having a coating applied thereon, the gypsum board comprising:

a gypsum core having a first side and a second side and a facing sheet disposed on the first side; and

a coating disposed on at least a portion of the facing sheet,
wherein at least a portion of the coating penetrates through at least a
portion of the facing sheet and into the gypsum core.

- 2. The gypsum board of claim 1, wherein the coating penetrates into the gypsum core to a substantially uniform depth across an area of the gypsum board.
- 3. The gypsum board of claim 1, wherein a thickness of the coating is up to 30 mils.
- 4. The gypsum board of claim 3, wherein the thickness of the coating is preferably 3-20 mils.
- 5. The gypsum board of claim 1, wherein the coating is a joint compound.
 - 6. The gypsum board of claim 1, wherein the coating comprises:

25-75 wt. % water;

30-70 wt. % calcium carbonate;

0-30 wt. % filler;

2-10 wt. % latex emulsion; and

0-10 wt. % additives.

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- 7. The gypsum board of claim 6, wherein the filler comprises one or more of mica, talc, clay, and limestone.
- 8. The gypsum board of claim 6, wherein the composition further comprises a pigment in an amount sufficient to provide a desired tint to the coating.
 - 9. The gypsum board of claim 1, wherein the coating comprises:

10-60 vol. % water;

50-90 vol. % calcined gypsum;

0.1-10 vol. % binder;

0-50 vol. % limestone;

0-10 vol. % clay;

0-30 vol. % other fillers; and

0-10 vol% additives.

- 10. The gypsum board of claim 9, wherein the composition further comprises a pigment in an amount sufficient to provide a desired tint to the coating.
- 11. The gypsum board of claim 9, wherein the facing sheet is made from unbleached grey paper and the coating is comprised primarily of calcium carbonate or gypsum.
- 12. The gypsum board of claim 9, wherein the facing sheet of the completed board has a level 5 finish, as defined herein.
- 13. A gypsum board having a coating applied thereon, the gypsum board comprising:

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a coating disposed on at least a portion of the facing sheet such that the facing sheet has a level 5 finish after manufacture and prior to applying the gypsum board in an intended application.

- 14. The gypsum board of claim 13, wherein the coating is primarily calcium carbonate or gypsum.
- 15. A gypsum board having a coating applied thereon, the gypsum board comprising:

a gypsum core having a first side and a second side and a facing sheet disposed on the first side; and

a coating disposed on at least a portion of the facing sheet such that the facing sheet has a level 4 finish after manufacture and prior to applying the gypsum board in an intended application.

16. A kit comprising a quantity of joint compound and a plurality of gypsum boards having a coating applied thereon, each of the gypsum boards comprising:

a gypsum core having a first side and a second side and a facing sheet disposed on the first side; and

a coating disposed on at least a portion of the facing sheet; and the coating is a diluted form of the joint compound.

17. The kit of claim 16, wherein the coating is primarily calcium carbonate or gypsum.

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- 18. The kit of claim 16, wherein the coating is such that the facing sheet has a level 5 finish after manufacture and prior to applying the gypsum board in an intended application.
- 19. The kit of claim 18, wherein the coating is primarily calcium carbonate or gypsum.
- 20. A method of producing a coated gypsum board, the method comprising:

depositing a gypsum slurry to form a wet gypsum board having a gypsum core;

applying a coating to the wet gypsum board; and drying the wet gypsum board,

wherein the step of applying the coating occurs prior to the step of drying and the coating penetrates through at least a portion of the facing sheet and into at least a portion of the gypsum core.

- 21. The method of claim 20, wherein the coating is a diluted joint compound.
- 22. A method of producing a coated gypsum board, the method comprising:

depositing a gypsum slurry to form a wet gypsum board having a gypsum core;

applying a coating to the wet gypsum board; and drying the wet gypsum board,

wherein the step of applying the coating occurs prior to the step of drying and the coating is a diluted joint compound.

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23. A method of producing a coated gypsum board, the method comprising:

depositing a gypsum slurry to form a wet gypsum board having a gypsum core;

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applying a coating to the wet gypsum board; and drying the wet gypsum board,

wherein the step of applying the coating occurs prior to the step of drying and the coated board has a level 5 finish prior to assembly in its intended use.

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24. A method of making a wall, comprising:

depositing a gypsum slurry to form a wet gypsum board having a gypsum core;

applying a coating to the gypsum board;

fastening the coated gypsum board to a support structure to form the wall; and

taping and finishing seams between adjacent coated gypsum boards using a joint compound having substantially a same solids content as the composition of the coating.

25. A method of making a wall, comprising:

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depositing a gypsum slurry to form a wet gypsum board having a gypsum core;

applying a coating to the wet gypsum board;

drying the wet gypsum board, wherein the step of applying the coating occurs prior to the step of drying;

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fastening the coated gypsum board to a support structure to form the wall; and

taping and finishing seams between adjacent coated gypsum boards using a joint compound having a composition substantially similar to the composition of the coating.

26. A method of making a wall, comprising:

fastening a coated gypsum board to a support structure to form the wall, wherein the board is in accordance with one of claims 1, 13, or 15; and

taping and finishing seams between adjacent coated gypsum boards using a joint compound having substantially a same solids content as the composition of the coating.

27. A method of making a wall, comprising:

fastening a coated gypsum board to a support structure to form the wall, wherein the board is made in accordance with one of claims 20, 22, or 23; and

taping and finishing seams between adjacent coated gypsum boards using a joint compound having a composition substantially similar to the composition of the coating.

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